

## EXPLOITABLE FOREGROUND

### Sweet Sorghum Hybrid for Mexico – 7ROGER

#### Explanation and Purpose

This hybrid is a product of the breeding program at Facultad de Agronomía, UANL, México as part of the SWEETFUEL project. The female line is a short grain sorghum line (70 cm tall) well adapted to the northern part of México and it was improved by the sorghum breeding program at UANL. The male parent of the hybrid is FAUANL-39, which is a derivative of a local variety from the central part of Tamaulipas. The hybrid is suitable for high juice production with more than 16 % of °Brix.



#### Exploitation Strategy

Due to the good characteristics associated with ethanol production and the facility to produce hybrid seeds due to the fact that the A line is a short plant (70 cm tall), it has a lot of potential to produce hybrid seeds. It can also be used as one of the sweet sorghum hybrids in Mexico.

#### IPR Measures

Patent application was initiated at SERVICIO NACIONAL DE INSPECCION Y CERTIFICACION DE SEMILLAS (SNICS), the Mexican National System for registration and certification of seeds.

#### Further Research

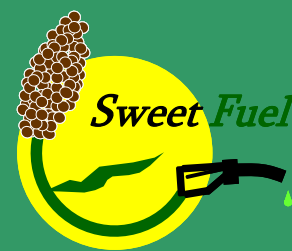
The hybrid needs to be tested under semi-commercial plots using the nitrogen doses and the best plant density to be tested against RB-Cañero, one of the sweet sorghum varieties in México. However, its expression under environments more suitable for commercial sweet sorghum exploitation (near Veracruz, South of Tamaulipas and Sinaloa, México) needs to be evaluated. The male line needs to be selfed for several generations to achieve more uniform male parents and consequently hybrids.

#### Impact of Exploitation

The commercial distribution of the seeds of this hybrid will give the advantage to farmers to have good forage production and high juice content to improve feed quality. But, most importantly it gives the opportunity to farmers to produce a fuel crop thereby improving productivity of their fields.

## SWEETFUEL

### Sweet Sorghum: an alternative energy crop



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